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NPIC/R-53/65

April 1965

PHOTOGRAPHIC INTERPRETATION REPORT

# MODIFIED KENNEL CRUISE MISSILE CUBA

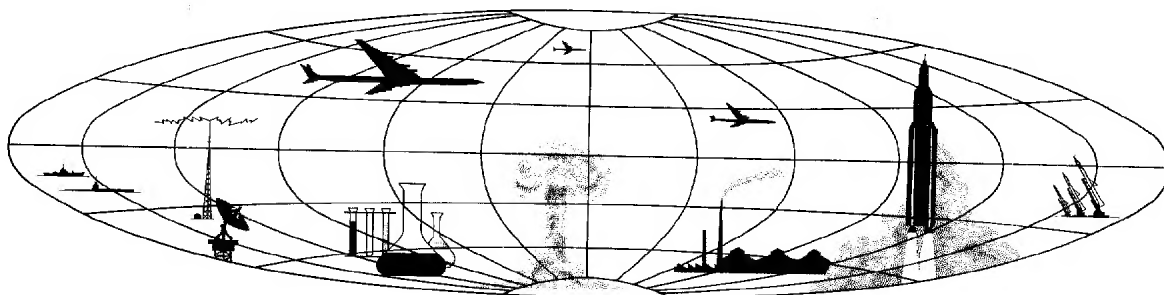


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### MODIFIED KENNEL CRUISE MISSILE, CUBA

This report is in response to USIB requirement 40-65 requesting information on the modified KENNEL cruise missile and associated equipment displayed in the Havana parade on 2 January 1965.

Ground photography of the parade reveals 3 modified KENNEL surface-to-surface missiles. These missiles are the second known modification of the original KENNEL air-to-surface missile, AS-1. The first modification was the coastal defense cruise missile, SSCD-1 (Figure 1), which has a fixed launcher and separate transporter. It has been deployed in Cuba since [REDACTED]

The modified missiles are on specially-designed transporter/launchers towed by probable tractor versions of the YaAZ 214 cargo truck (Figure 2). Unlike the SSCD-1, this sys-

tem has the mobility necessary for a tactical weapon assigned to ground forces. Comparative dimensional drawings of both missiles and transporters are illustrated in Figure 3. (Dimensional data is [REDACTED])

Ground photography taken in Moscow on 10 July 1960 (Figure 4) reveals the same type of transporter/launcher as displayed in the Havana parade. The framework imaged immediately to the rear of the vehicle is probably used to provide support for protective canvas covering of the missile with folded wings as shown in the traveling position (Figure 5).

Re-analysis of [REDACTED] and [REDACTED] photography of Cuba reveals that this type of equipment was at Mayari Arriba Cruise-Missile Activity as early as

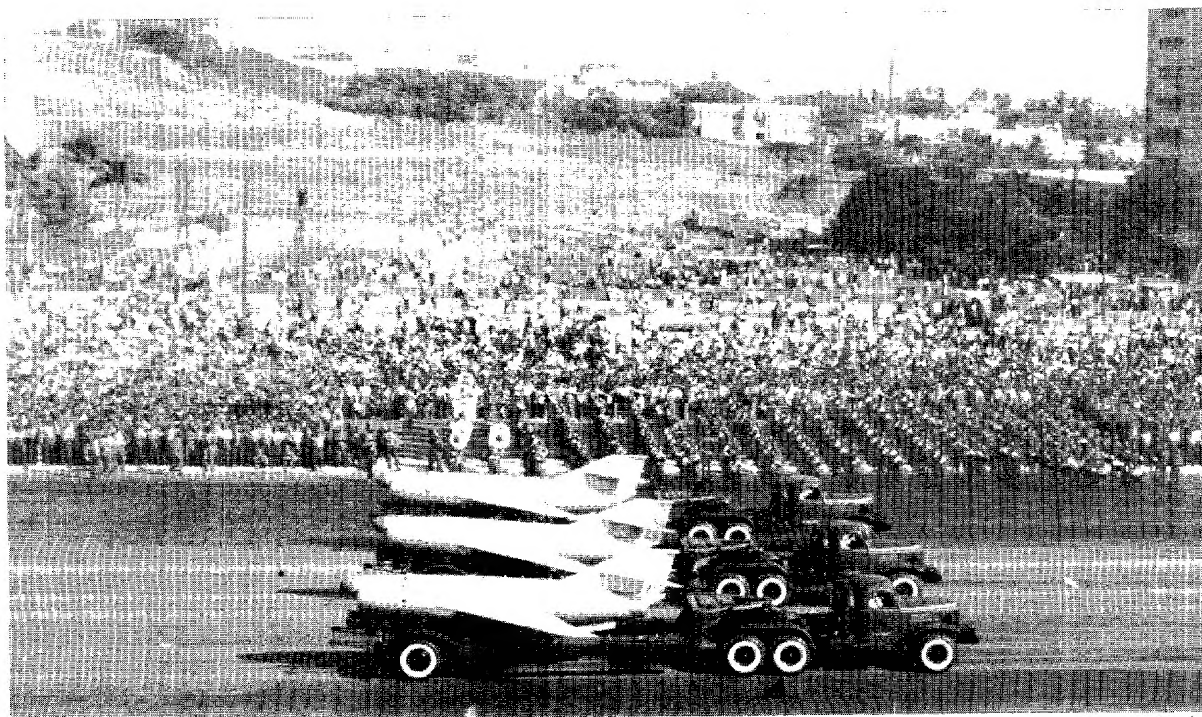


FIGURE 1. CRUISE-MISSILE TRANSPORTERS, HAVANA PARADE, 2 JANUARY 1965.

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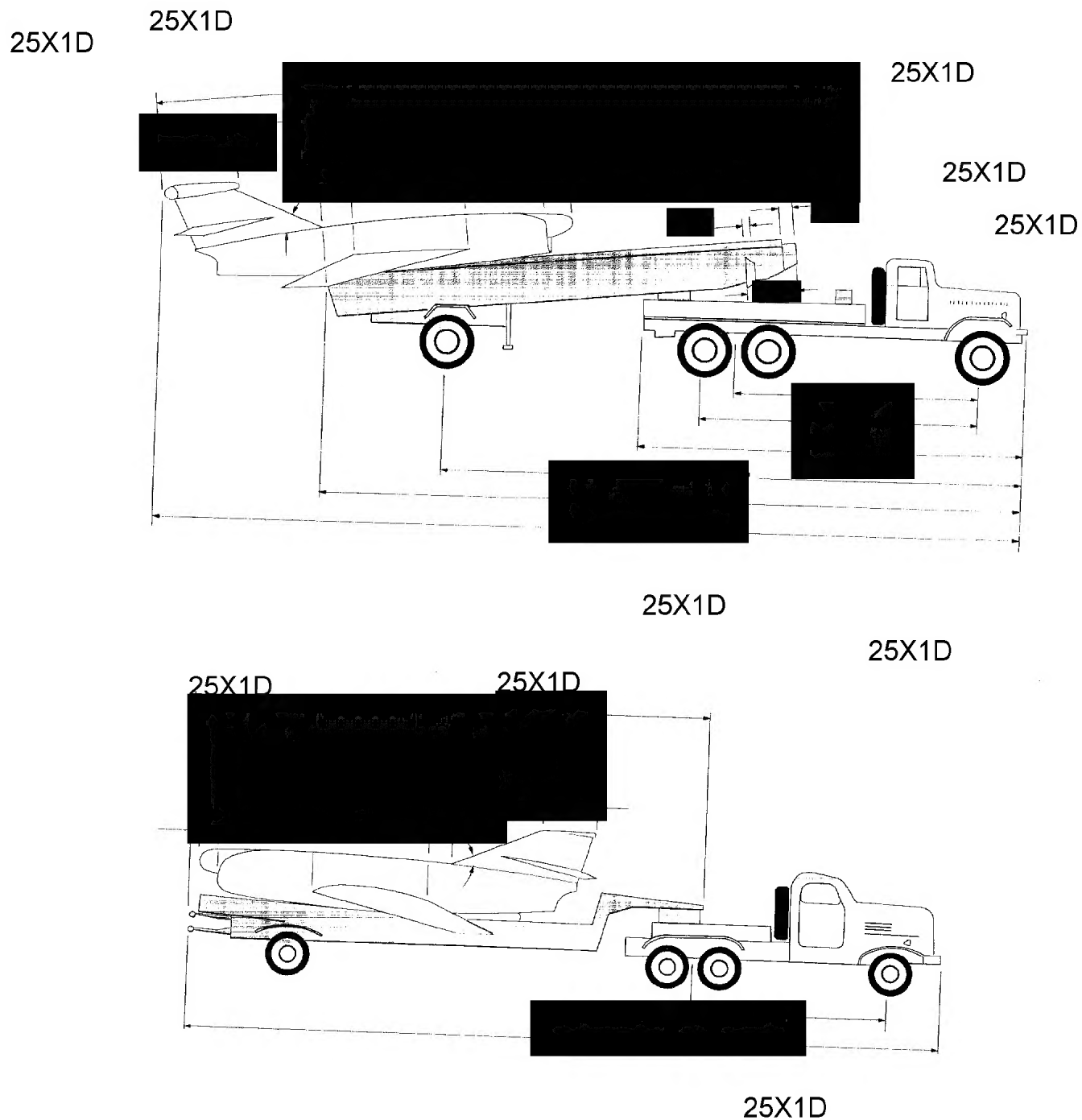


FIGURE 3. CRUISE-MISSILE TRANSPORTER/LAUNCHER (TOP) AND CRUISE-MISSILE TRANSPORTER (BOTTOM).

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FIGURE 4. CANVAS-COVERED CRUISE-MISSILE TRANSPORTER LAUNCHER, MOSCOW, 10 JULY 1960.

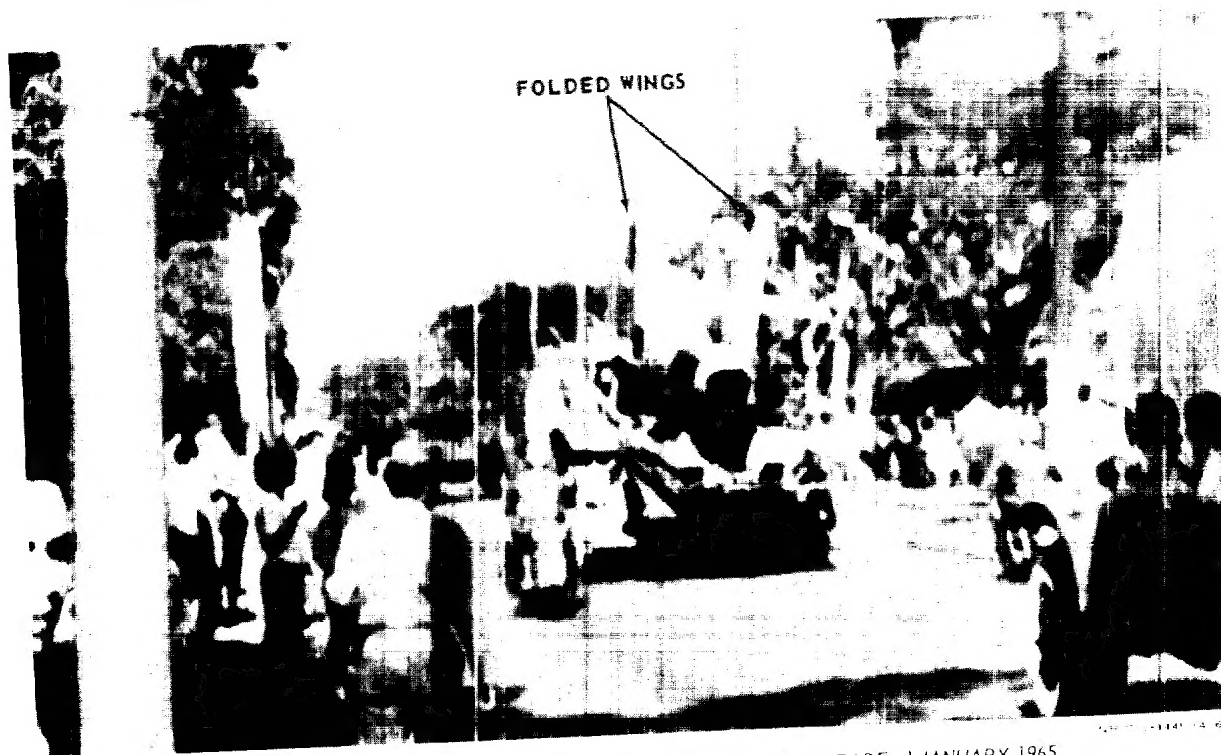
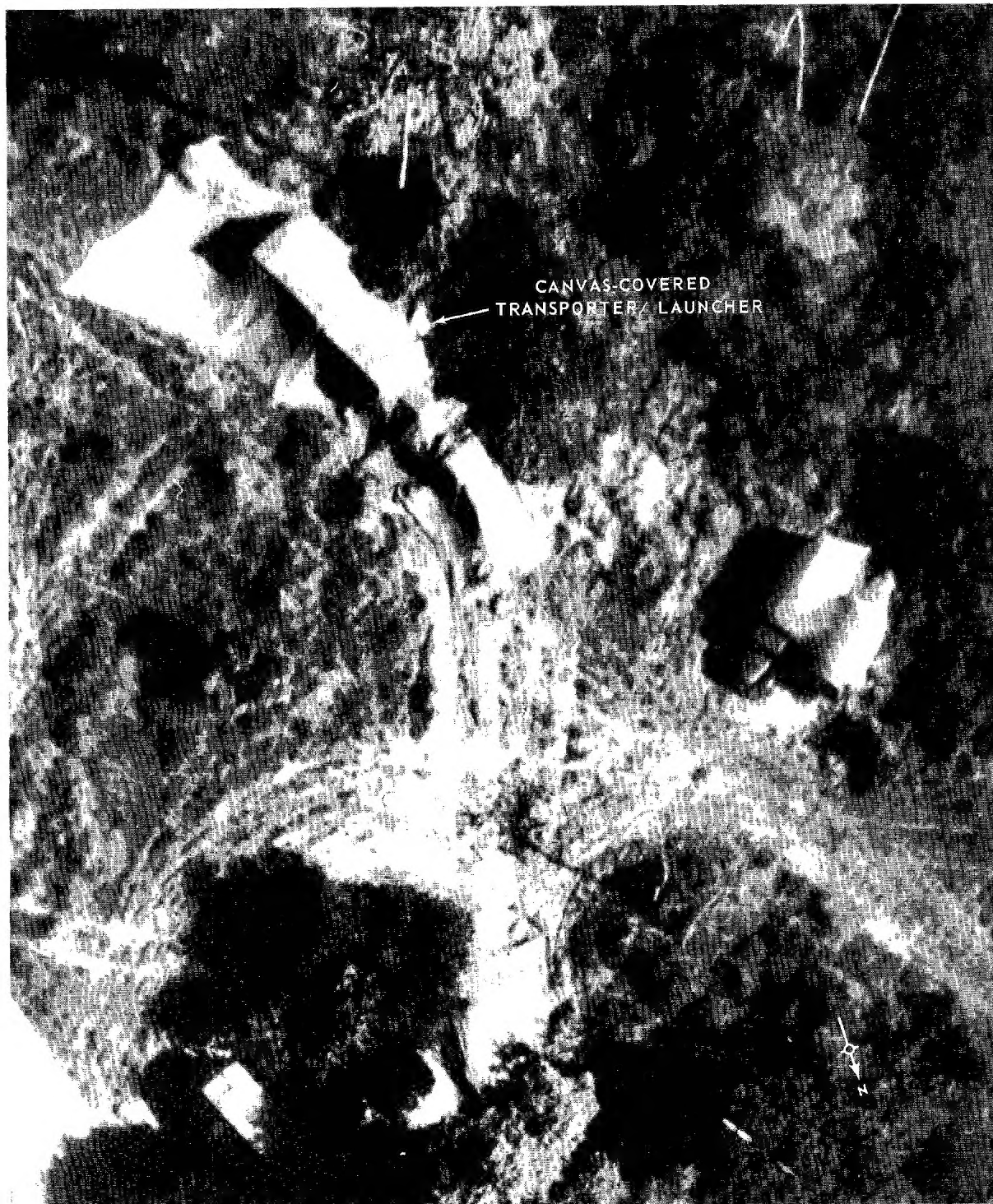


FIGURE 5. CRUISE MISSILE IN TRAVELING POSITION, HAVANA PARADE, 2 JANUARY 1965.

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CANVAS-COVERED  
TRANSPORTER/ LAUNCHER

FIGURE 6. CRUISE-MISSILE ACTIVITY, MAYARI ARRIBA

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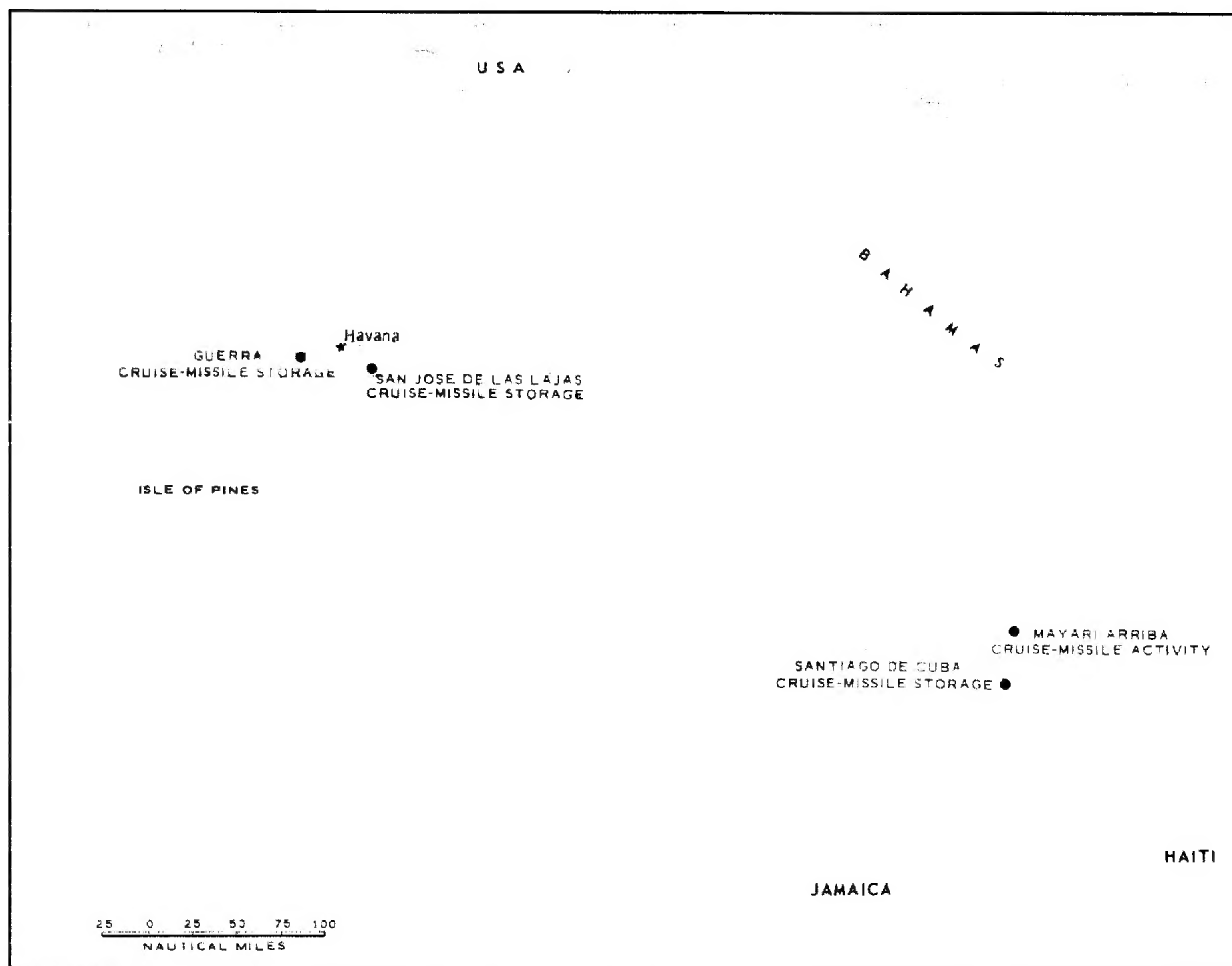


FIGURE 7. CRUISE-MISSILE ACTIVITY, CUBA.

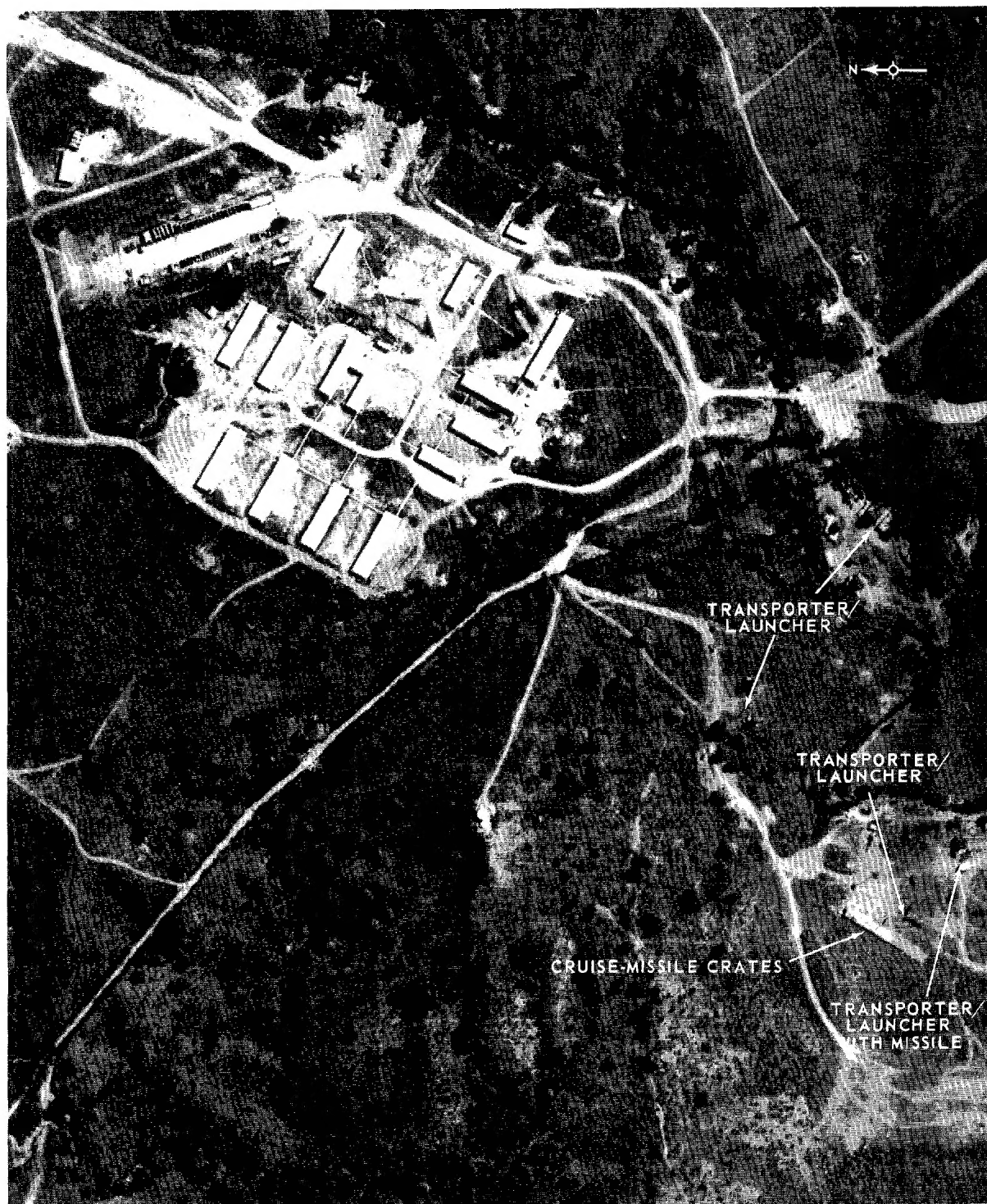
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FIGURE 8. CRUISE-MISSILE ACTIVITY, MAYARI ARRIBA, [REDACTED]

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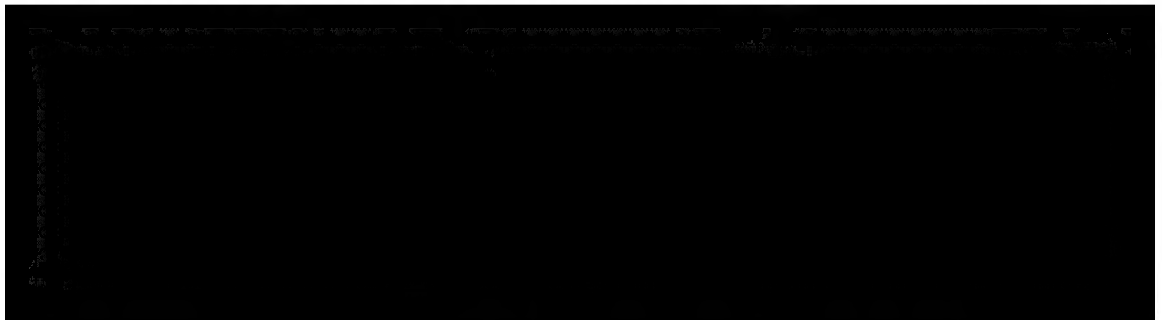
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REFERENCES

PHOTOGRAPHY

<u>Mission</u>	<u>Date</u>	<u>Camera</u>	<u>Frame</u>	<u>Classification</u>
				

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CIA. Enclosures to , Accession Nos 1029829 and 1029836, Jan 65 (SECRET No Foreign Dissem)

CIA. Enclosure to , Accession No 1027732, Jan 65 (SECRET No Foreign Dissem)

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MAPS

AMS. Series E723, Sheets 3685-III, 2d ed, Nov 62; 3784-I, 3d ed, Sep 62; 5076-III, 3d ed, Jun 63; and 5077-II, 2d ed, May 63 (FOR USE OF U.S. GOVERNMENT OFFICIALS ONLY)

DOCUMENT

Army. *The Soviet Coastal Defense System, Cuba*, May 63 (SECRET No Foreign Dissem)

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REQUIREMENT

USIB 40-65

NPIC PROJECT

11133/65

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